

24. Epicyclic gear train as recited in claim 22 wherein said first and second gears have axis of rotation intersecting axis of rotation of said enveloping worms.
25. Epicyclic gear train as recited in claim 22 wherein said first and second gears have axis of rotation parallel to axis of rotation of said enveloping worms.

REMARKS

Applicant thanks the Examiner for the very thorough consideration given the present application. Claims 1-17 have been cancelled. Claims 18-25 are pending in the present application. The Examiner is respectfully requested to reconsider and withdraw his objections and rejections in view of the amendments and remarks as set forth below.

I. Drawings objections Under 37 CFR 1.83 (a).

The figures of the drawings show the enveloping worms where enveloping pinion has less than one revolution of worm threads as it was explained on the page 3, fourth line from the bottom.

On the FIG. 1 is picture of the enveloping worm with one revolution of the threads. By cutting a piece of this thread we have enveloping worm 1 with less than one revolution of threads as it show on the FIG 2.

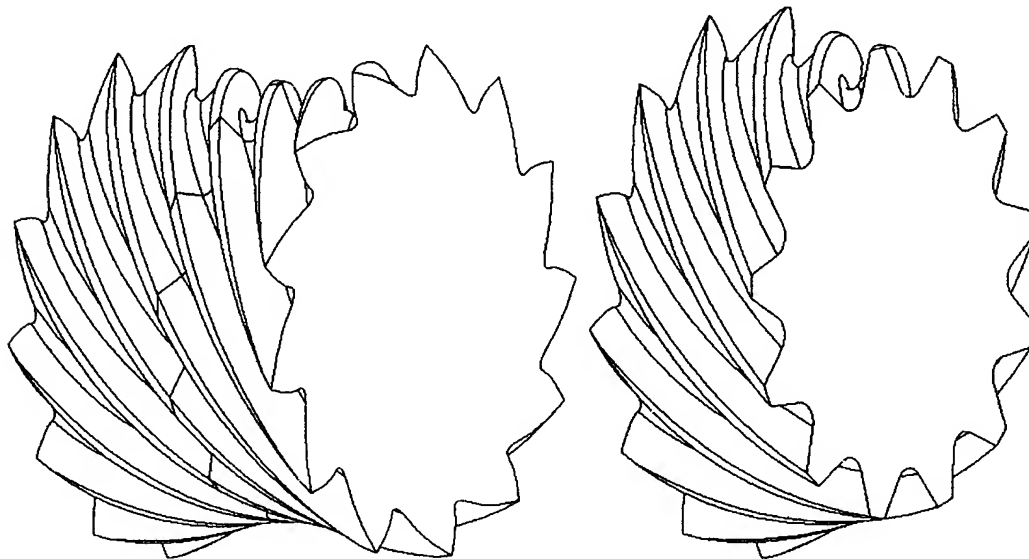


FIG. 1

FIG.2

II. Claim Objections.

In the claims 18, 20, 22, 26, 28 the word “matting” replaced with the word “mating.”

III. Claim Rejections Under 35 U.S.C. § 112, first paragraph

Claims 6-17 stand rejected under 35 U.S.C. § 112, first paragraph. This rejection is respectfully traversed.

The Examiner states that in line 4 of claims 6 and 10 “said satellite gear” are not clear. The “said satellite gear” in line 4 of claims 6 and 10 being replaced in “said satellite gears” as it reflected in the replacement claims 22, 26 and 28.

The Examiner states that claim 16 is improperly attempting to remove a limitation of an earlier claim 10.

Applicant notes that the claim 16 has been cancelled and does not apply in the replacement claims.

IV. Claim Rejections Under 35 U.S.C. § 102

1. Claims 1, 2 and 5 are rejected under 35 U.S.C. § 102(b) as being unpatentable over Watson U.S. Patent 2,208,614. This rejection is respectfully traversed.

Claims 1, 2 and 4 are rejected under 35 U.S.C. 102(b) as being anticipated by Mekjian, U.S. Patent 4,010,653. According with (column 3, lines 6, 7) “The sun gear 45 is in the form of a helical gear and has a cylindrical extension or collar 58 integrally formed therewith”. Helical gear is always a cylindrical gear. The satellite gear (satellite worm) in mesh with helical cylindrical gear having parallel shafts can not be enveloping and has a cylindrical shape. The shown on FIG. 2 and section on FIG. 3 the shape of satellites 50 is cylindrical.

Therefore, reconsideration and withdrawal of this rejection are respectfully requested.

To overcome the rejection claims 1-5 are rewritten into 2 independent claims 18 and 19.

2. Claims 6-9 are replaced by claims 20-21.

3. Claim 10 is rejected under 35 U.S.C. 102(b) as being anticipated by Hall, U.S. Patent 781,944.

The term "enveloping" is defining the shape of the gear along axis of the gear rotation. Satellite gear 5 as shown on FIG. 1 is the front view that is parallel to its axis of rotation and has cylindrical shape.

Therefore, reconsideration and withdrawal of this rejection are respectfully requested.

Claim 10 is rejected under 35 U.S.C. 102(b) as being anticipated by Yang, U.S. Patent 5,387,162.

The enveloping worm shown on FIG. 1- FIG. 5 has axis of rotation crossing axis of rotation of first and second coaxial gears 303 and 300.

V. Conclusion

All of the stated grounds of rejection have been properly traversed, accommodated, or rendered moot. Applicants therefore respectfully request that the Examiner reconsider presently outstanding rejections and that they be withdrawn. It is believed that a full and complete response has been made to the outstanding office action, and as such, the present application is in condition for allowance. If the Examiner believes that personal communication will expedite prosecution of this application, he is invited to telephone the undersigned at (248) 393-2467.

Prompt and favorable consideration of this amendment is respectfully requested.

Respectfully submitted,

Dated: 06/28/2005

By: 
YAKOV FLEYTMAN, Inventor